

XINGHANG
Smart Metering



Smart Water Management Effortless Water Meter Reading



Application Standards

XINGHANG
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LWHD-01

Application

LWHD-01 is a handheld unit which supports data reading & device control through Reelink protocol, meanwhile it maintains all the LoRaWAN function.

- AMR-meter reading automatically
- LoRaWAN network deployment plan
- Environment noise floor scan
- LoRaWAN gateway coverage evaluation

Main Technical Specifications

Wireless Communication

| | |
|--------------------------|--|
| LPWAN Network connection | LoRa; Used for LoRaWAN, Reelink protocol support |
| WLAN Wireless | BLE; Used for Connection with Smart phone APP |

LoRa RF specification

| | |
|------------------|--|
| Frequency | LoRa low frequency band:433MHz~510MHz; LoRa high frequency band:862MHz~960MHz; Support global LoRaWAN frequency band |
| Max Output power | 20dBm |
| RX sensitivity | -134dBm@SF12/125KHz |
| Antenna type | External Rubber Antenna |
| Antenna Gain | Peak 1dBi@868/915MHz, 1dBi @470MHz |

Environmental specification

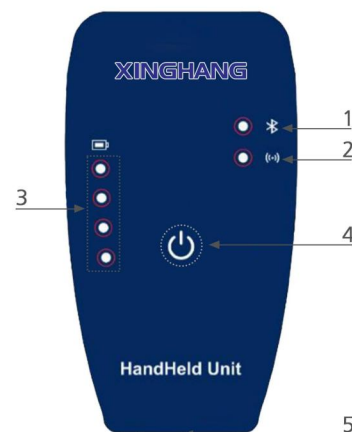
| | |
|-----------------------------|--|
| Operating Temperature | -20~55°C |
| Storage Temperature | -40~85°C |
| Operating relative Humidity | 5~95%RH, No Condensation |
| ESD class | Air Discharge: ±8kV Contact Discharge: ±4kV |

User interface

| | |
|------------------|---|
| LEDs | 4*Green LEDs for battery status indication; 1*Blue LED for Bluetooth status indication; 1*Red LED for LoRa status indication. |
| Button | 1*Tactile switch |
| Type-C USB | For battery recharge, 5V USB |
| Battery lifespan | 2 days normal use; 1 year battery life time in standby mode. |

Mechanical data

| | |
|-----------|------------------|
| Dimension | 100mmx60mmx17mm |
| Weight | 65g with battery |



- 1 - 1*Blue LED for Bluetooth
- 2 - 1*Red LED for LoRa
- 3 - 4*Green LEDs for battery status
- 4 - 1*Tactile switch
- 5 - Type C USB

Use Flow

